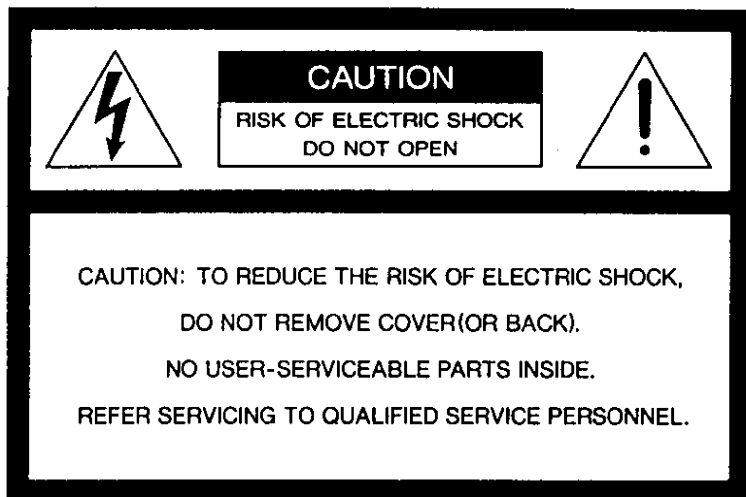


LINE AMPLIFIER  
**Model 5030** Owner's Manual

**Fostex**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### "WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

## SAFETY INSTRUCTIONS

1. Read Instructions — All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions — The safety and operating instructions should be retained for future reference.
3. Heed Warnings — All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions — All operating and use instructions should be followed.
5. Water and Moisture — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands — The appliance should be used only with a cart or stand that is recommended by the manufacturer.
7. Wall or Ceiling Mounting — The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization — The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power Cord Protection — Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Cleaning — The appliance should be cleaned only as recommended by the manufacturer.
14. Nonuse Periods — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service — The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
17. Servicing — The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

## Intorduction and Features

Thank you for purchasing the Model 5030 Line Amplifier. Please read this information before using the line amplifier in order to obtain the best performance.

The 5030 is designed to allow interfacing between -4dBu balanced lines and -10dBV unbalanced lines. The 5030 has eight input and eight output line amplifiers.

In addition, there are two banks of switches on rear panel. One bank is for adjusting the polarity of XLR connector at the same time inputs and outputs. For best results, please be sure that polarity is correct by using these switches. The second bank of switches is for changing the nominal level. These switches are only effective between unbalanced inputs and outputs. With these switches, you may choose between -6dBV or -10dBV. Please set these switches according to your needs.

## Connections

Connecting the 5030 is a straight forward procedure. There are only a few important points to remember. First, make all connections while the power is off to the 5030. Second, make your connections according to the numbers on the back. In other words, if you connect to the number one XLR-3-31 input, connect the corresponding RCA pin jack to the number 1 output. When connecting an RCA pin jack to, for example, the number 7 input, be sure to connect the corresponding XLR-3-32 to the number 7 output.

## XLR connectors

The connectors for the +4dBu signals are XLR-3-31 for the inputs and XLR-3-32 for the outputs.

XLR-3-31



INPUT

XLR-3-32



OUTPUT

1	GND
2	COLD
3	HOT

## Specifications

### Input Amplifier Section

#### INPUT

Connector	XLR-3-31
Circuit	Electronic balanced circuit
Impedance	20K $\Omega$ balanced (at -6dBV output) 28K $\Omega$ balanced (at -10dBV output)
Nominal level	+4dBu
Maximum level	+25dBu

#### OUTPUT

Connector	RCA Pin
Load impedance	5K $\Omega$ or higher unbalanced
Nominal Level	-10dBV or -6dBV
Frequency response	20Hz to 30kHz $\pm$ 0.5dB
T.H.D	0.02%
S/N	90dB (DIN) 92dB (IHF-A)

### Output Amplifier Section

#### OUTPUT

Connector	XLR-3-32
Circuit	Electronic balanced circuit
Load impedance	600 $\Omega$ or higher balanced
Nominal level	+4dBu
Maximum level	+25dBu

#### INPUT

Connector	RCA pin
Impedance	20k $\Omega$ unbalanced
Nominal level	-10dBV or -6dBV
Frequency response	20Hz to 30KHz $\pm$ 0.5dB
T.H.D	0.02% at 1KHz
S/N	90dB (DIN) 92dB (IHF-A)

### Power requirements

120VAC, 60Hz, 12W (USA/CND)
220VAC, 50Hz, 12W (EUR)
240VAC, 50Hz, 12W (UK/AUS)

### Dimensions

482(W)×165(D)×90(H)

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